OMEGA Muzzleloading Riflescope 3-9x40

Instruction manual

Congratulations on your choice of a Nikon OMEGA Muzzleloading Riflescope. Your new scope is the finest example of Nikon's rugged and durable construction and precision bright optics; important qualities for a serious shooter's riflescope.

Whether you use your scope for hunting or for target shooting, the procedure for mounting is identical. You should acquire a set of high quality steel mounting rings which have a standard diameter of 25.4 mm (1 inch). Follow the ring manufacturer's instructions for mounting procedures. After mounting the scope on your muzzleloader, follow the procedures for reticle alignment.

When setting the reticle for hunting, you should determine your standard range and then adjust the reticle based upon that target distance. For targets which vary from that standard distance you may simply adjust the position of the reticle in relation to your target, or you may wish to use the procedure for trajectory compensation. It's up to your personal preference.

We hope that you will enjoy your new Nikon OMEGA Muzzleloading Riflescope for many years to come. Enjoy using it, and above all, always follow safe shooting procedures!

Caution
(1) Do not look at the sun through the riflescope. It will permanently damage your eye. This precaution applies to all optical devices such as cameras and binoculars.

(2) The riflescope is effectively sealed against moisture and dust. You may use your scope safely either in the rain or in dusty climates. To preserve the appearance of the scope, we suggest that it be dried and cleaned prior to storage. Use a soft cloth for cleaning metal surfaces and use photographic lens tissue to clean the scope's lenses.

The product(s) described herein may be subject to export control regulations in the relevant country(ies). It (they) should not be exported without authorization of the exporting governmental authority if the regulations apply.

1. Nomenclature

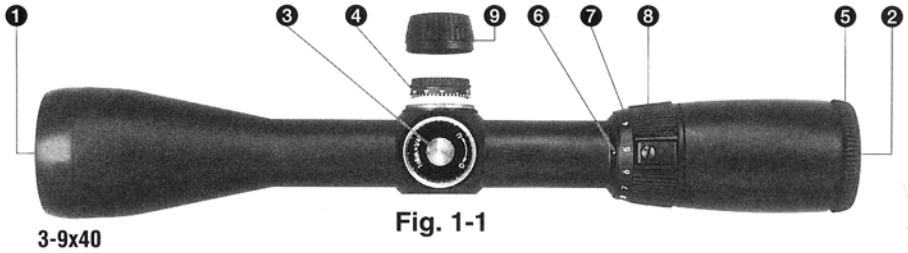

Fig. 1-1

3-9x40

1. *Objective Lens*
2. *Eyepiece Lens*
3. *Elevation Adjustment*
4. *Windage Adjustment*
5. *Eyepiece Adjustment*
6. *Power Index Dot*
7. *Power Scale*
8. *Power Selector Ring*
9. *Adjustment Cap*

Magnified Figure of 3-9x40
Hand turn Grip

Fig. 1-2

2. Specifications

Model		**3-9x40**
Actual Magnification		3-9x
Objective Diameter	(mm)	40
	(in)	1.58
Exit Pupil	(mm)	4.4☆
	(in)	0.17☆
Eye Relief	(mm)	127-127
	* (in)	5.0-5.0
Field of View at 100yds.	(m)	7.7-2.6
	* (ft)	25.2-8.4
Tube Diameter	(mm)	25.4
	(in)	1
Objective Tube Diameter	(mm)	49.3
	(in)	1.94
Length	(mm)	288
	(in)	11.3
Weight	(g)	390
	(oz)	13.8
Adjustment Graduation (moa)	**	¼:1 click
Maximum Interna Adjustment (Elevation & Windage)	l** (moa)	60
Parallax Setting (at factory)	(m)	91.44
	(yards)	100
Outside Diameter of Eyepiece	(mm)	42
	(in)	1.65

☆ When maximum Magnification (9x) is selected.
*(at minimum magnification)-(at maximum magnification)
**moa=minute of angle

ITEMS SUPPLIED

Body		1pc.
Eyepiece	┐	1pair
Objective Cap	┘	
Hood		Option

3. Instructions

(1) Focusing

Look through the eyepiece with your eye positioned about 10cm (4 in) away from the eyepiece lens (Fig. 3-1), and you will see the Nikoplex reticle (Fig. 3-2), or the BDC250 reticle (Fig. 3-3).
Be sure your eye is positioned within proper alignment and proper eye relief otherwise the view will “black out”.
Point the objective end of the scope at the sky (Do not point at the sun) or at a plain unpatterned wall.
Turn the eyepiece adjustment counter-clockwise and then turn it clockwise until the reticle appears sharp.

(2) Magnification

The OMEGA Riflescope 3-9x40 has a variable magnification for 3 to 9X.
To change powers, just rotate the power selector ring until the desired magnification appears adjacent to the power index dot (Fig. 1-1).

(3) Adjustment of the riflescope

Sighting through the riflescope, align the rifle with your aiming point on the target and shoot a trial round. If the bullet does not hit the aiming point, adjust the elevation and windage after removing the Adjustment cap, as follows:
For the OMEGA Riflescope adjustment is made by turning the grip by hand. If the bullet hits under the aiming point, turn the grip in the direction of the arrow marked “U” (Fig. 3-4). If the bullet hits to the left of the aiming point, turn the grip in the direction of the arrow marked “R” (Fig. 3-4).

Note:

• The windage and elevation scales of the OMEGA Riflescope 3-9x40 are calibrated in divisions of ¼ minute of angle with a click at intervals of ¼ minute of angle (half division).
• When adjusting the reticle to the point of aim, remember that one minute of angle equals approximately one inch (2.54 cm) at 100 yards (91.44 m). Therefore, if the impact point is two inches (5.08 cm) low and one inch (2.54 cm) right at 100 yards (91.44 m), you should adjust two minutes of angle up one minute of angle left.

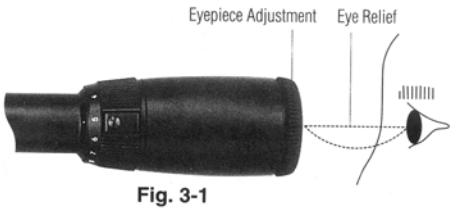

Fig. 3-1

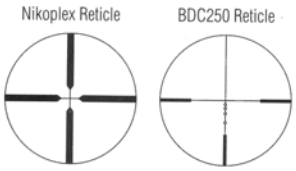

Fig. 3-2

Fig. 3-3

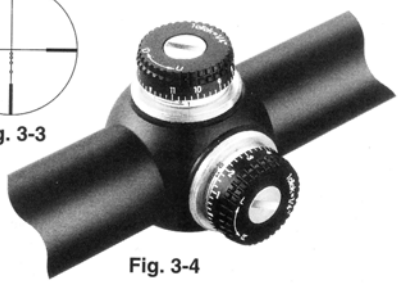
Fig. 3-4

Maintenance

(1) Lens cleaning

To remove dirt or fingerprint, soak gauze or lens cleaning paper (silicon-free paper sold at camera shop) with a small quantity of absolute alcohol (available from drugstore) and lightly wipe off. Wiping with leather chamois is not recommended as it is likely to damage the lens surface.
Dust may scratch the lens surface or corrode the lens.
Brush dust off using a soft oil-free brush.

(2) Scope Exterior

Use a soft dry cloth to wipe off any dirt or fingerprints that might accumulate. It is not necessary to oil the scope's surface.

(3) Windage/Elevation Adjustments

These adjustments are permanently lubricated. Do not attempt to lubricate them. Cover with caps supplied, except when adjusting, to keep out dust and dirt.

(4) Eyepiece Adjustment

This adjustment is permanently lubricated. Do not attempt to lubricate.

(5) Power Selector Ring

No lubrication is required on the power selector ring.
Do not loosen or remove screws in the power selector ring.

In the event you should require service for your Nikon RIFLESCOPE, in case of USA market, please send it directly to:Nikon Scope Service
841 Apollo Street, Suite 100
El Segundo, CA. 90245-4721
1-800-Nikon SV.
In other market, please bring it to dealer from which you purchased it.

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